



Aerodata delivers 100th Flight Inspection System

The 100th AeroFIS® was handed over as part of the official Roll-Out of a new King Air 350 Pro Line Fusion for the "Air Navigation Services of the Czech Republic".

After participating in an international tender, Aerodata AG was announced as a winner for the delivery of two new flight inspection aircraft with state of the art AeroFIS® to Air Navigation Services of the Czech Republic. The delivery includes the installation into factory new Beechcraft King Air 350 with the new Rockwell Collins Pro Line Fusion avionic suite.



KingAir 350 equipped with AeroFIS®

The AFIS will integrate the new developed TSO based receiver for flight inspection of GBAS.

The position reference is a hybrid multi-constellation phase tracking GNSS solution that includes IRS, Barometric Altitude, GPS, SBAS as well as GLONASS.

The second aircraft will further be enhanced by a direction finder with capability of detection and localization of RF interference.

3rd Flight Inspection System AD-AFIS-116 delivered to Thailand

In 2017, Aerodata AG received an order to equip the third Beech King Air B300 of the Aeronautical Radio of Thailand with the fully automatic flight inspection system AeroFIS®. Aerodata was responsible for development, production and installation of the flight inspection system AD-AFIS-116. Part of the installation into the B300 is an improved equipment console, which provides full accessibility to the operator by requiring only one seat of space.

Besides the established radio navigation systems the AD-AFIS-116 also provides the capability to inspect GBAS and advanced ADS-B and RNAV procedures. In the aircraft an interface connecting the AeroFIS® to the aircraft's autopilot system is installed to support the pilots on their flight inspection missions.



AD-AFIS-116 in King Air 350

After completion of the modification at Hawker Pacific in Singapore, the aircraft has been transferred back to Thailand. The new equipped flight inspection aircraft has started its service in February 2019.

New Flight Inspection Contracts

Contract for three AeroFIS® Flight Inspection Systems with Aircraft Integration

After participating in an international tender, Aerodata has been awarded by the Flight Inspection Center of CAA China with a contract for the delivery of three Automatic Flight Inspection Systems (AFIS) with integration into three Citation XLS+.

The AFIS capabilities include the calibration of Instrument Landing Systems (ILS CAT I, II and III), Precision Approach Radar (PAR), as well as civil navigation aids for Enroute navigation such as VOR, DME, NDB and the capability to inspect GBAS and advanced ADS-B and RNAV procedures.

The hybrid position reference system is based on Phase-tracking Differential GPS, Camera system,



Barometric Altitude and Attitude sensors for ILS CAT I, II and III capability customized and fully compliant to the requirements of the customer.

Furthermore, a highly sophisticated direction finder including Aerodata's state of the art detection algorithms with capability of detection and localization of RF interference will be installed.

New Flight Inspection Aircraft for ASECNA

Through an international tender, Aerodata has been selected by AGENCE POUR LA SECURITE DE LA NAVIGATION AERIENNE EN AFRIQUE ET A MADAGASCAR (A S E C N A) as the supplier for a new flight inspection aircraft Citation Sovereign+. The aircraft will be equipped with a state of the art fully automatic flight inspection systems series AeroFIS® with the proven high accurate hybrid position reference system.



AeroFIS Flight Inspection System

Set-up of a new line station at Magdeburg Airport

With strong support from our partner GeoFly, Aerodata was able to set up a new line station at Magdeburg Airport within a short time.

GeoFly specializes in taking aerial photographs and laser data as well as their further processing.

The Aerodata-hangar in Magdeburg allows quick on-site maintenance of various types of aircraft such as King Air, Caravan and almost all piston aircraft.



GeoFly aircraft at Magdeburg airport

Pakistan Navy ATR-72 Maritime Patrol Aircraft

In the second quarter 2018, Rheinland Air Service (RAS) had delivered the first ATR-72 to the Pakistan Navy. Aerodata has been the key partner of RAS for the integration of the mission equipment. Following an in country test and acceptance procedure, the aircraft has commenced operation for the Pakistan Navy in the 4th quarter 2018.

In the meantime, the second aircraft is nearing completion; flight testing has commenced recently.

RAS and Aerodata will jointly exhibit at Paris Air Show in June and will show the ATR-72 Maritime Patrol Aircraft on the static display.

MEDUSA® Mission Management Systems for Bangladesh Navy

OPTIMARE Systems GmbH, 100% subsidiary of Aerodata AG, had signed in 2018 a contract with RUAG to provide the MEDUSA® mission management system for the 2 Dornier 228 Maritime Patrol Aircraft of the Bangladesh Navy.

In the meantime, the first system has passed the acceptance test procedure and is ready for integration.

New Contracts for Surveillance Equipment and Services

Long-term service contract for oil pollution monitoring

Fototerra Survey SCP, a joint venture between Aerodata AG and the Brazilian company Fototerra



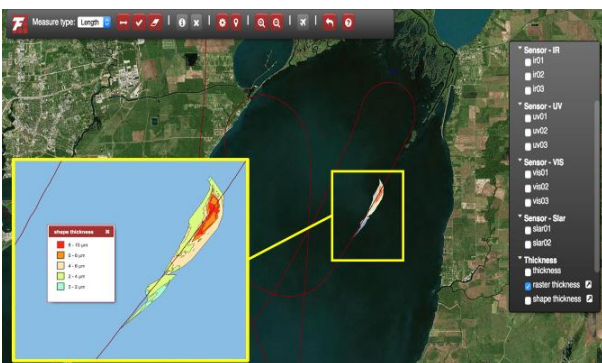
Atividades de Aerolevamento Ltda. has commenced operation on a long term service contract on 24/7 basis for oil pollution monitoring.



POSEIDON Oil Spill Monitoring Aircraft

This contract is performed with the POSEIDON Oil Spill Monitoring Aircraft, a Bandeirante EMB-110 equipped with a complete suite of oil pollution sensors, processing and communication equipment. The mission equipment had been provided to Fototerra Survey by OPTIMARE Systems.

Data collected by POSEIDON as well as quantitative oil spill data are made available to the customer in near real-time through a GIS server – operated by Fototerra.



Thickness map of an oil spill found during a regular mission.

Optimare wins Contract in Poland for Surveillance Equipment

OPTIMARE Systems GmbH has signed a contract with JB Investments Sp. Z o.o. to provide modern surveillance equipment for integration into two new L410 UVP E-20 aircraft for the Polish Border Guard.

The mission equipment consists of

- OPTIMARE's MEDUSA® Mission Management System,
• 360° surveillance radar,
• EO/IR sensor,
• broadband SATCOM,
• AIS transponder, and
• Search & Rescue direction finder.

The contract was preceded by a public procurement tender of the Polish Border Guard in 2018 with several bidders and various aircraft platforms. The integration of the mission equipment will be performed by Aircraft Industries, a.s., Czech Republic. Delivery of the two new maritime patrol aircraft to the Polish Border Guard with installed mission equipment provided by OPTIMARE is scheduled for the 4th quarter 2020.

Paris Air Show

Aerodata and OPTIMARE will exhibit at Paris Air Show, from June 17 – 23. Please visit us in hall 2C, stand C342.

We will also display the ATR-72 Maritime Patrol Aircraft. It can be viewed at the Static Display, Isle B4.

Contract to upgrade Japan Coast Guard Gulfstream V aircraft

Recently, Aerodata has been awarded a contract by Japan Aerospace Corporation to upgrade the two Gulfstream V aircraft operated by the Japan Coast Guard. The Gulfstream V aircraft have been in operation by the Japan Coast Guard since 2005. With the new state-of-the-art equipment from Aerodata, Japan Coast Guard will be able to continue the operation of the Gulfstream V beyond 2022.

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